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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460-0001



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 24, 2014

Ms. Judy Ball
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

RE: Label amendment – Agency Initiated Action – label amendment associated with
Salmonid Biological Opinion
Product Name: Dimilin 4L Mushrooms and Ornamentals
EPA Registration Number: 400-483
Your submission dated May 30, 2014
OPP Decision Number D474928

Dear Ms. Ball:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. This amendment reflects label revisions associated with the Salmonid Biological Opinion being conducted by the National Marine Fisheries Service, as well as general label revisions.

A stamped copy of your labeling is enclosed for your records. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to retain the reference to the company's website (www.ChemturaAgroSolutions.com) on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). If you have any questions, please contact Rita Kumar at (703) 308-8291, or kumar.rita@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Meredith F. Laws" with a stylized flourish at the end.

Meredith F. Laws, Chief
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs
Date: June 24, 2014

Enclosure

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ACCEPTED

06/24/2014

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 400-483

Dimilin® 4L *Mushrooms and Ornamentals*

Net
contents:
1
quart

**INSECT GROWTH REGULATOR
FOR USE IN ENCLOSED COMMERCIAL STRUCTURES
ONLY SUCH AS GREENHOUSES, SHADEHOUSES,
INTERIOSCAPES**

COMPOSITION

Active Ingredient: (% by weight)
Diflubenzuron N-[[[4-Chlorophenyl]amino]carbonyl]-
2,6-difluorobenzamide*40.4%
Inert Ingredients:59.6%
TOTAL100.0%

*Contains 4 lbs. diflubenzuron per gallon

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID

- | | |
|-----------------------------------|--|
| IF ON SKIN
OR CLOTHING | <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice. |
| IF INHALED | <ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice. |

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

MEDICAL EMERGENCY	800-292-5898
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300
PRODUCT SAFETY DATA (MSDS)	866-430-2775

For PRODUCT USE INFORMATION: Call 800-243-2850

EPA REG. NO. 400-483
EPA EST. NO. 37429-GA-1
004/

Manufactured for:
Chemtura Corporation
199 Benson Road
Middlebury, CT 06749



www.ChemturaAgroSolutions.com

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse. Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: A long-sleeved shirt and long pants; waterproof gloves, when mixing and loading and also when using hand-held equipment; shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic invertebrate organisms in neighboring areas. Do not contaminate water when disposing of equipment wastewater and rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not apply this product to bodies of water where swimming is likely.

For requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- waterproof gloves
- shoes plus socks.

MUSHROOMS

Restrictions:

- Not for use on mushrooms in California, Idaho, Oregon and Washington.

SCIARID FLIES: DIMILIN® 4L will control larvae of sciarid flies in mushroom growing facilities. DIMILIN 4L in the mushroom growing media will prevent the development of the larval stages of the sciarids. This effectively stops reproduction in the growing medium and prevents damage to the mushrooms. Because of its unique type of activity do not expect immediate reductions in adult fly populations. DIMILIN 4L does not directly affect adults but kills the larvae in the growing medium.

Compost treatment: Apply 20 to 32 fl. ozs. of DIMILIN 4L per 1000 square feet to the compost by thorough incorporation. This is equivalent to 30 to 50 ppm active ingredient assuming a compost wet weight of 40 pounds per cubic foot.

Casing treatment: Apply 6.75 fl. ozs. of DIMILIN 4L in a minimum volume of 40 gallons of water per 1000 square feet at the time of casing. This is equivalent to a rate of 30 ppm active ingredient assuming a casing weight of 6700 pounds per 1000 square feet.

ORNAMENTALS

Restrictions:

- For use in enclosed commercial structures only, such as greenhouses, shadehouses, and interiorscapes.

DIMILIN 4L provides an effective means for controlling a variety of insect pests found in and around ornamental plants. DIMILIN 4L can be used in repeat applications as a soil treatment or foliar spray.

Mixing Instructions: Fill the mixing tank with half the required amount of water. Then add DIMILIN 4L with agitation running to insure proper mixing and suspension of product. Fill the tank with the remaining amount of required water.

The mixture of DIMILIN 4L and water should be continuously agitated to assure uniform application.

Compatibility: For broad spectrum insect control, DIMILIN 4L can be tank mixed with other insecticide products. However, do not mix with other products unless prior use has proven compatibility.

SOIL INHABITING INSECTS - FUNGUS GNATS, SHOREFLIES: For control of certain soil inhabiting insects such as fungus gnats and shoreflies, DIMILIN 4L can be applied as a soil drench or as a coarse spray to the soil surface through conventional equipment or through chemigation. When applied according to the recommendations below, DIMILIN will provide control for period of 30 to 60 days.

For bed, bench and container grown plants:

Restrictions:

- Do not make more than one application per crop to **poinsettias, hibiscus and Reiger begonia**.
- **For other ornamentals**, do not make more than four applications per crop. Retreat at 4 to 8 week intervals as necessary to maintain control.
- Do not re-use potting media which has been treated with DIMILIN.
- Do not apply to plants grown on capillary watering mats.

For application made as a coarse spray to the soil surface, mix 1 fl. oz. of DIMILIN 4L in 100 gals. (2.5 drops per gal.) of water and apply at a volume of 1 to 3 gallons of final solution per 100 sq. ft. For plug trays, packs and flats with a soil depth of less than 3 inches, do not exceed a volume of 1 gallon per 100 sq. ft. For applications made as a hand applied drench to the soil surface, mix 0.5 fl. oz. of DIMILIN 4L in 100 gals. of water and apply at the volumes recommended below:

Pot Diameter (inches)	Drench Volume (fl.oz./pot)
4	1
5	2
6	3
8	5
10	7
12	10

For optimum results, applications should be made to moist potting media.

NOTE: The drench volumes recommended above are less than those commonly used for application of other soil pesticides, as the volume of final solution applied need only be enough to wet the top 2 inches of potting media. The label rates specified above are determined on the basis of a specific amount of active ingredient applied to a given surface area of media. Exceeding label rates, volumes and number of applications may result in injury, especially to poinsettia, hibiscus and Reiger begonia. For soil drench applications which use a final volume greater than those specified above, the user must reduce the concentration of DIMILIN 4L in water in order to maintain the same amount of active ingredient applied to the given surface area of media. The table below outlines dilution rates for drench applications using alternate volumes:

Pot Diameter (inches)	GALLONS OF WATER REQUIRED PER 0.5 FL. OZ. OF DIMILIN 4L								
	Drench volume (fl.ozs./pot)								
	2	3	4	5	6	7	8	9	10
4	200	300	400						
5	100	150	200	250					
6		100	133	167	200				
8				100	120	140	160		
10						100	114	129	143

For infestations to breeding areas under benches and in other non-crop areas: Mix 2 to 4 fl. ozs. DIMILIN 4L in 100 gals of water and apply at rate of 10 - 30 gals. per 1000 sq. ft. of area. Repeat applications at 4 to 8 week intervals to maintain control.

FOLIAR FEEDING INSECTS - ARMYWORMS, LEAFMINERS, WHITE-FLIES:

Restrictions:

- Do not repeat applications closer than 7 days apart.

For control of certain foliar feeding insects such as armyworms and lepidopterous leafminers, and suppression of whiteflies, mix 2 to 4 fl. ozs. of DIMILIN 4L in 100 gallons of water and apply as a spray to the foliage through conventional spray equipment. The recommended spray volume is one gallon per 200 sq. ft. of bench area.

DIMILIN has been found to aid in the control of whiteflies when used in combination or in rotation with other effective insecticides in an IPM program. For optimum suppression of whitefly, spray applications should thoroughly wet the leaf undersides. Begin applications at first sign of insects and repeat applications at 7 day intervals as needed to provide suppression on new foliage growth.

PLANT TOLERANCE:

Neither the manufacturer nor the seller has determined whether or not DIMILIN 4L can be used safely on all ornamental plants. Prior to any large scale application on such plants, the user must determine the safety of DIMILIN 4L by testing a small number of the type of plants to be treated at the recommended rates and under the desired growing conditions. Observe the treated plants for symptoms of phytotoxicity, which may occur as interveinal chlorosis and/or marginal necrosis on sensitive plants. This may take up to three months for applications made to the soil. The user assumes all risks arising out of application to untested plants.

USE DIRECTIONS FOR CHEMIGATION:

In addition to the above use rates and recommendations, the following precautions must be observed when using this product in any type of irrigation system:

Apply this product only through the following systems:

1) Overhead sprinklers such as impact or micro-sprinklers, 2) Mist-type irrigation such as fog systems, 3) Hand-held calibrated irrigation equipment such as the hand-held wand with injector.

Do not apply this product through any other type of irrigation system. Crop injury or lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year.

Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water systems should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g. diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a dry location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container.

For containers equal to or less than 5 gallons in size: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

If pressure rinsing: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

For containers greater than 5 gallons or 50 pounds: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

If pressure rinsing: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Recycling: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

IMPORTANT NOTICE—To the extent consistent with applicable law, seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and the buyer assumes the risk of any such use.

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